

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2005-0065

For

THE PACIFIC LUMBER COMPANY,
SCOTIA PACIFIC COMPANY LLC,
AND SALMON CREEK CORPORATION

P.O. Box 37
Scotia, CA 95565

ELK RIVER
Humboldt County

INTRODUCTION

This Monitoring and Reporting Program (MRP) is issued pursuant to 13267(b) and requires monitoring of landslide, channel capacity and controllable sediment delivery sites and submission of technical reports to inform the watershed-wide Waste Discharge Requirements (hereinafter referred to as “WDR”) Order Number R1-2005-0065. Reports are required on monthly, quarterly, and annual bases for 1) tracking implementation progress thereof and 2) tracking of watershed conditions for adaptive modifications of the receiving water limitations therein. The reasons for needing this information, for requiring the named Dischargers above to provide this information, and the evidence supporting requiring this information can be found in the WDR the related findings adopts the WDRs in Resolution No. R1-2005-0064, and related staff report and technical documents.

OBJECTIVES

The objectives of monitoring conducted under this monitoring program are to:

- Evaluate proposed enrollments of timber harvest plan activities in the context of the receiving water limitations described in the associated watershed-wide WDR.
- Assess and demonstrate compliance with Order No. R1-2005-0065.
- Identify and treat controllable sediment delivery sites
- Provide the Discharger and the Regional Water Board with the information and the opportunity to evaluate if changes in effluent limitations are warranted based upon changed watershed conditions or behavior, nature, and location of timber harvest activities.

Under the authority of Water Code section 13267(b), the Discharger named above is required to comply with the following:

MONITORING

A. Nuisance Reduction Approach

1. Overview

Monitoring and reporting associated with this component of the MRP shall be designed to evaluate if modifications to the specified effluent limitations from the previous calendar year are warranted, and shall consist, at a minimum, of tracking the stage-discharge relationships at the identified locations and conducting surveys of conditions affecting nuisance.

2. Parameters

Measured parameters shall include, at a minimum, maintaining a stage-discharge relationship for the nuisance locations identified in the WDR and conducting a survey of the nuisance flooded areas identified in the WDR (Section 4. A.).

3. Sampling Schedule, Frequency, and Protocols

The Discharger shall develop and submit to the Executive Officer by December 1, 2005 for approval, a project plan that can meet the stated objectives of this MRP, as per D, below.

B. Empirical Sediment Budget

1. Overview

Monitoring and reporting associated with this component of the MRP shall be designed to evaluate whether modifications to the specified effluent limitations from the previous calendar year are warranted, and shall consist of tracking, at a minimum the most recently updated landslide database with attributes for slides inventoried by or on behalf of PALCO, updates to hazard zonation maps, updates to the volume to area relationships, updates to delivery to void estimates, and any other observed changes in any landslide patterns

2. Parameters, Sampling Schedule, Frequency, and Protocols

The Discharger shall develop and submit to the Executive Officer by December 1, 2005 for approval, a project plan that can meet the stated objectives of this MRP, as per D.

C. Erosion Control Plans

1. Overview

The Discharger shall develop and implement an Erosion Control Plan (ECP) inspection plan for each ECP to ensure that all prescribed management measures have been implemented and are functioning as designed at each Controllable Sediment Discharge Source identified in the ECP. Inspections shall occur at least once before

and once after each winter period during which the THP is covered under the WDR Order No. R1-2005-0065. Inspections shall include an evaluation of the adequacy and proper implementation of the corrective action undertaken at the site. Inspections shall also include a determination if additional management measures are required to comply with the Terms and Provisions of WDR Order No. R1-2005-0065.

2. Required Inspections

For each Controllable Sediment Discharge Source corrected under the ECP, the ECP inspection plan shall call for at least two inspections per year, to be conducted by the Discharger.

Prior to October 15th of each year, an inspection shall be conducted to assess and document the adequate implementation of the prescribed management measures at the site and state of readiness for the winter period. If additional management measures are required at the site to comply with the Terms and Provisions of WDR Order No. R1-2005-0065, the Discharger shall implement such measures prior to November 15th and make appropriate revisions to the ECP. Any revisions to the ECP shall be submitted to the Regional Board within 14 days following implementation of the additional measures.

After April 1st, but before June 30, an inspection shall be conducted to assess and document the effectiveness of the prescribed management measures at the site. If additional management measures are required at the site to comply with the Terms and Provisions of WDR Order No. R1-2005-0065, the Discharger shall implement such measures prior to October 15th, and shall make appropriate revisions to the ECP. Any revisions to the ECP shall be submitted to the Regional Board within 14 days following implementation of the additional measures.

D. Quality Assurance and Quality Control (QA/QC) Project Plan

1. The Discharger shall develop a comprehensive QA/QC Program for the monitoring and reporting activities to be implemented. The QA/QC Program shall address all aspects of the monitoring program and shall contain, at a minimum, but not be limited to:
 - a. Standard procedures for the establishment of repeatable sampling locations;
 - b. Standard operating procedures for each field method and piece of equipment used;
 - c. Standard operating procedures for each laboratory method and piece of equipment used;
 - d. Standard reporting procedures;
 - e. Measures for quality assurance associated with monitoring and reporting procedures;
 - f. Measures for quality control associated with monitoring and reporting procedures;
 - g. A training program for personnel conducting monitoring activities; and,
 - h. Measures for adapting the QA/QC Program, when necessary.

The Discharger may propose to use an existing QA/QP Project Plan for these measurements as long as it addresses the above list of elements.

2. By December 1, 2005, the Discharger shall develop, in consultation with Regional Water Board staff, the QA/QC Program and submit it to the Regional Water Board Executive Officer for approval. Following approval of the QA/QC Program, the Discharger shall implement the procedures and control measures specified therein.
3. Following implementation of the approved QA/QC Program, the Discharger may propose changes to the procedures and control measures specified in the QA/QC Program as necessary, and submit the changes to the Regional Water Board Executive Officer for approval. Following approval of changes to the QA/QC Program, the Discharger shall document such changes and implement the new procedures and control measures immediately.

REPORTING

A. Monthly Reports

1. The Discharger shall report to the Regional Water Board Executive Officer on a monthly basis the total number of acres felled and the clearcut equivalent acres felled, by THP in the Elk River watershed.
2. The Discharger shall report to the Regional Water Board Executive Officer on a monthly basis the total number of acres felled per hazard zone by THP in the Elk River watershed.

B. Biannual Reports

The Discharger shall report to the Regional Water Board Executive Officer, twice per calendar year, the stage-discharge¹ relationships for locations of nuisance identified in the WDR. The exact location of the stream cross-sections at those stations are to be approved by the Executive Officer.

C. Annual Reports

1. Receiving Water limitations

The Discharger shall submit annual reports to the Regional Water Board Executive Officer by December 1 of each year. The reporting period is defined as a calendar year. The reports shall present information collected under Monitoring Sections A.2. and A.B.1., above, and shall include, but not be limited to, the following information:

- Survey of areas identified as nuisance locations in the WDR;

¹ The use of “discharge” is conventional in scientific discussions and is synonymous with stream flow rate. Its use in this report is in that context, and should not be confused with the use of the term “discharge” in a regulatory sense.

- Most recently updated landslide database with all available attributes for slides inventoried by or on behalf of PALCO, including location, volume, and hazard area;
 - Updates to hazard zonation maps;
 - Updates to the volume to area relationships;
 - Updates to delivery to void estimates; and
 - Any other observed changes in any landslide patterns.
2. The Discharger shall submit an annual summary report on ECP implementation to the Executive Officer by June 30th for each year the THP is covered under WDR Order No. R1-2005-0065, and upon termination of coverage. Each summary report shall include, at a minimum, the date of each inspection, the inspector's name, the location of each inspection, the effectiveness of management measures employed, whether and what additional management measures were required to comply with the Terms and Provisions of the Order, and the title and name of the person submitting the summary report.
- D. Reports submitted per this Order shall contain explanations of the measurements and their presentation in tables within the report. All data shall be arranged in tabular form, and shall conform to the reporting procedures and control measures specified in the approved QA/QC Program. Complete reports shall be submitted to the Regional Water Board Executive Officer in hardcopy form. All data and summary tables shall also be submitted in electronic form.
- E. Failure to comply with the terms of this Order can result in civil liabilities of up to \$5,000 per day under Water Code section 13268(a)(b)&(d)(1), or misdemeanor prosecution under Water Code section 13268(c)&(d)(2).
- F. Any person affected by this action of the Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with Section 13320 of the California Water Code and Title 23, California Code of Regulations, Section 2050. The petition must be received by the State Water Board within 30 days of the date of this Order. Copies of the law and regulations applicable to filing petitions will be provided upon request. In addition to filing a petition with the State Water Board, any person affected by this Order may request the Regional Water Board to reconsider this Order. To be timely, such request must be made within 30 days of the date of this Order. Note that even if reconsideration by the Regional Water Board is sought, filing a petition with the State Water Board within the 30-day period is necessary to preserve the petitioner's legal rights. If you choose to appeal this Order, be advised that you must comply with this Order while your appeal is being considered.

Ordered by: _____

Catherine Kuhlman
Executive Officer

September 27, 2005

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